

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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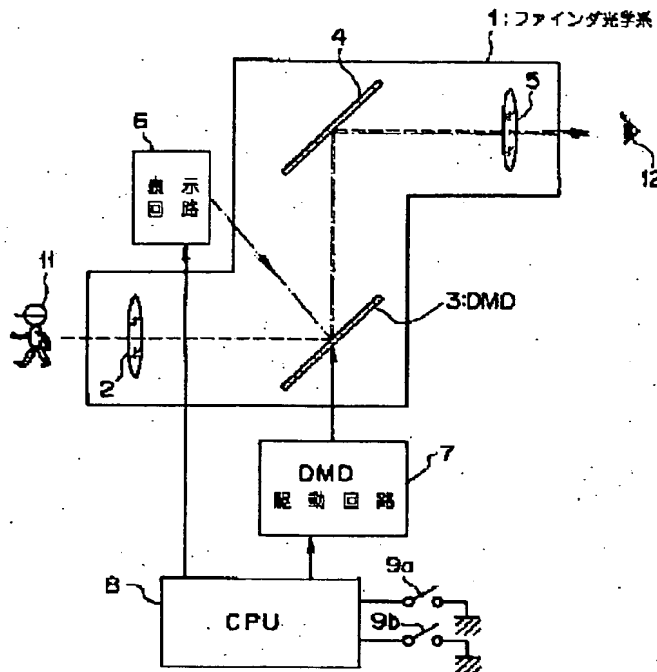
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APPLICANT : OLYMPUS OPTICAL CO LTD;

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TITLE : FINDER DEVICE



**ABSTRACT :** PROBLEM TO BE SOLVED: To visually recognize a luminous flux reflected from an object and a display luminous flux, without reducing brightness by reflecting one of the luminous flux reflected from the object and the display luminous flux for displaying in a finder visual field through the use of a digital micromirror device(DMD).

**SOLUTION:** In the DMD 3, plural micromirror elements are twodimensionally arrayed. The micromirror element is constituted to provide a movable micromirror and a shaft for supporting the movable micromirror. The movable micromirror is turned around the shaft, according to an applied voltage, to digitally change an angle. A display circuit 6 executes the display in response to the signal of a CPU 8. The DMD 3 is controlled through a DMD driving circuit 7, based on a control signal from the CPU 8. Thus, the luminous flux reflected from the object 11 and the display luminous flux from the display circuit 6 are alternately transmitted to the eye 12 of an observer.

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